

## Water Use Efficiency Annual Performance Report - 2015

WS Name: KENT WATER DEPARTMENT

Water System ID# : 38150

WS County: KING

Report submitted by: Sean Bauer

### Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not fully metered - Current status of meter installation:

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 01/01/2015 To 12/31/2015

Incomplete or missing data for the year? No

If yes, explain:

### Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	2,811,692,000 gallons
Authorized Consumption (AC) – Annual Volume	2,694,465,360 gallons
Distribution System Leakage – Annual Volume TP – AC	117,226,640 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	4.2 %
3-year annual average	4.5 %

### Goal-Setting Information:

Date of Most Recent Public Forum: 11/20/2007 Has goal been changed since last performance report? No

Note: Customer goal must be re-established every 6 years through a public process

### WUE Goals:

Customer Goal (Demand Side):

*The City of Kent will allocate the resources necessary to support measures that will reduce water use by public agencies during the summer months of June through August by 0.5% annually from 2008-2014, with an emphasis on outside water use. To meet this goal, the City will provide educational materials to public agencies regarding water conservation topics, including, but not limited to: water efficient irrigation systems, native landscaping and natural yard care.*

### Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

*Water use for the period of June-August 2015 rose 28.5% compared to the same period in 2014. Significant drought conditions and above average temperatures increased demand for water throughout the system. Compared to the inception of this goal in 2007, overall water use for the period of June-August increased 22.5%. After a few years of decreasing use, this too can be attributed to the unusually dry and warm conditions in 2015.*

*The City has begun working on a revised Water Use Efficiency Goal to correspond with development of our 2017 water system plan update.*

*The City met its goal of maintaining 6% or less lost water for the year, with a 4.2% distribution system leakage percent achieved. The average lost water rate is 3.8% since 2007.*

#### **Additional Information Regarding Supply and Demand Side WUE Efforts**

Include any other information that describes how you and your customers use water efficiently:

**Do not mail, fax, or email this report to DOH**